

SCORE Search Results Details for Application 10552515 and Search Result 20081001_124542_us-10-552-515-2.rni.

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This page gives you Search Results detail for the Application 10552515 and Search Result 20081001_124542_us-10-552-515-2.rni.

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OM nucleic - nucleic search, using sw model

Run on: October 1, 2008, 12:45:55 ; Search time 1156 Seconds
(without alignments)
19177.014 Million cell updates/sec

Title: US-10-552-515-2
Perfect score: 3308
Sequence: 1 aaaagatagatcctgctcca.....acctggtgaccttcgaatgt 3308

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9553280 seqs, 3350760028 residues

Total number of hits satisfying chosen parameters: 19106560

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

- 1: /ABSS/Data/CRF/ptodata/2/ina/1_COMB.seq:*
- 2: /ABSS/Data/CRF/ptodata/2/ina/5_COMB.seq:*
- 3: /ABSS/Data/CRF/ptodata/2/ina/6A_COMB.seq:*
- 4: /ABSS/Data/CRF/ptodata/2/ina/6B_COMB.seq:*
- 5: /ABSS/Data/CRF/ptodata/2/ina/7A_COMB.seq:*
- 6: /ABSS/Data/CRF/ptodata/2/ina/7B_COMB.seq:*
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- 9: /ABSS/Data/CRF/ptodata/2/ina/HB_COMB.seq:*
- 10: /ABSS/Data/CRF/ptodata/2/ina/PCTUS_COMB.seq:*
- 11: /ABSS/Data/CRF/ptodata/2/ina/PP_COMB.seq:*
- 12: /ABSS/Data/CRF/ptodata/2/ina/RE_COMB.seq:*
- 13: /ABSS/Data/CRF/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query				ID	Description
	Score	% Match	Length	DB		
1	461	13.9	13243	6	US-10-741-601-5735	Sequence 5735, Ap
2	461	13.9	14172	6	US-10-741-601-5626	Sequence 5626, Ap
c 3	460.6	13.9	101046	6	US-10-741-601-5689	Sequence 5689, Ap
4	325.6	9.8	3052	5	US-10-342-887-1730	Sequence 1730, Ap
5	301.6	9.1	3898	3	US-10-104-047-604	Sequence 604, App
6	286.6	8.7	2736	3	US-10-104-047-571	Sequence 571, App
7	252.6	7.6	2118	5	US-10-108-260A-2040	Sequence 2040, Ap
8	239.2	7.2	2158	5	US-10-108-260A-1547	Sequence 1547, Ap
9	216.2	6.5	1282	3	US-09-270-767-13982	Sequence 13982, A
10	170.8	5.2	2293	3	US-10-104-047-1146	Sequence 1146, Ap
11	157.2	4.8	2371	7	US-10-100-683-1599	Sequence 1599, Ap
12	157.2	4.8	2371	7	US-11-001-793-1599	Sequence 1599, Ap
c 13	128.6	3.9	201	6	US-10-741-601-19564	Sequence 19564, A
14	125	3.8	969	3	US-09-188-930-11	Sequence 11, Appl
15	125	3.8	969	3	US-09-312-283C-11	Sequence 11, Appl
16	121.8	3.7	656	3	US-09-270-767-30062	Sequence 30062, A
17	104	3.1	1803	3	US-09-774-528-294	Sequence 294, App
18	104	3.1	1803	3	US-10-120-988-294	Sequence 294, App
19	71.8	2.2	842	3	US-09-154-750A-72	Sequence 72, Appl
20	70.2	2.1	571	3	US-09-270-767-187	Sequence 187, App
21	70.2	2.1	571	3	US-09-270-767-15469	Sequence 15469, A
22	66	2.0	653	3	US-09-533-559-5580	Sequence 5580, Ap
23	66	2.0	653	5	US-10-653-047-5580	Sequence 5580, Ap
c 24	61	1.8	2846	7	US-09-815-264-90691	Sequence 90691, A
25	60.8	1.8	201	6	US-10-741-601-23608	Sequence 23608, A
26	58.2	1.8	7218	2	US-08-232-463-14	Sequence 14, Appl
27	56.8	1.7	1926	3	US-09-249-585A-4	Sequence 4, Appli
28	56.8	1.7	1931	2	US-09-130-114-2	Sequence 2, Appli
29	56	1.7	1146	3	US-09-270-767-624	Sequence 624, App
30	56	1.7	1146	3	US-09-270-767-15906	Sequence 15906, A
31	55.6	1.7	3453	3	US-10-101-464A-861	Sequence 861, App
c 32	55.4	1.7	58408	7	US-09-815-264-81539	Sequence 81539, A
33	55.2	1.7	125401	5	US-10-203-295-35	Sequence 35, Appl
34	55	1.7	1320	3	US-09-902-540-8133	Sequence 8133, Ap
c 35	55	1.7	3024	3	US-09-902-540-1868	Sequence 1868, Ap
36	55	1.7	7000	3	US-09-902-540-833	Sequence 833, App
c 37	54.8	1.7	8139	7	US-09-815-264-76095	Sequence 76095, A
c 38	54.6	1.7	45894	7	US-09-815-264-59758	Sequence 59758, A
c 39	53.8	1.6	1476	3	US-09-434-288-12	Sequence 12, Appl
c 40	53.8	1.6	9233	7	US-09-815-264-81152	Sequence 81152, A
c 41	53.6	1.6	988	7	US-09-815-264-45142	Sequence 45142, A
c 42	53.6	1.6	6365	7	US-09-815-264-75605	Sequence 75605, A
43	53.4	1.6	1344	6	US-10-369-493-37428	Sequence 37428, A
44	53	1.6	1277	3	US-09-536-977-49	Sequence 49, Appl
45	52.4	1.6	1277	3	US-09-536-977-51	Sequence 51, Appl

ALIGNMENTS

RESULT 1

US-10-741-601-5735

; Sequence 5735, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5735

; LENGTH: 13243

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(13243)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-601-5735

Query Match 13.9%; Score 461; DB 6; Length 13243;

Best Local Similarity 100.0%; Pred. No. 1.5e-87;

Matches 461; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	2848	AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC	2907
Db	7463	AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC	7522
Qy	2908	GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCTGAGCCCTGCGAGCAGC	2967
Db	7523	GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCTGAGCCCTGCGAGCAGC	7582
Qy	2968	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCCTCA	3027
Db	7583	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCCTCA	7642
Qy	3028	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	3087
Db	7643	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	7702
Qy	3088	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTGTGTTCTGCTCCCA	3147
Db	7703	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTGTGTTCTGCTCCCA	7762
Qy	3148	GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGCTGTCCCTCGGTGGCTCCCCAGG	3207
Db	7763	GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCGCTGTCCCTCGGTGGCTCCCCAGG	7822
Qy	3208	CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC	3267
Db	7823	CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC	7882

Qy 3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
 |||
 Db 7883 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 7923

RESULT 2

US-10-741-601-5626

; Sequence 5626, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5626

; LENGTH: 14172

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(14172)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-601-5626

Query Match 13.9%; Score 461; DB 6; Length 14172;

Best Local Similarity 100.0%; Pred. No. 1.5e-87;

Matches 461; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2848 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
 |||
 Db 2831 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2890

Qy 2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGCCCTCTGAGCCCTGCGAGCAGC 2967
 |||
 Db 2891 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGCCCTCTGAGCCCTGCGAGCAGC 2950

Qy 2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 3027
 |||
 Db 2951 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 3010

Qy 3028 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCGGCTTCTCTCCTCAGAGCGCCTGTCA 3087
 |||
 Db 3011 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCGGCTTCTCTCCTCAGAGCGCCTGTCA 3070

Qy 3088 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA 3147
 |||
 Db 3071 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCA 3130

Qy 3148 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCGGTGGCTCCCCAGG 3207
 |||
 Db 3131 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCGGTGGCTCCCCAGG 3190

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Qy      3208 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTTGGTGCTCGCCGCCCTGGC 3267
          |||
Db      3191 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTTGGTGCTCGCCGCCCTGGC 3250
          |||

Qy      3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
          |||
Db      3251 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3291
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RESULT 3

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US-10-741-601-5689/c
; Sequence 5689, Application US/10741601
; Patent No. 7306913
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5689
; LENGTH: 101046
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(101046)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)
US-10-741-601-5689

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Query Match          13.9%; Score 460.6; DB 6; Length 101046;
Best Local Similarity 99.8%; Pred. No. 2.9e-87;
Matches 460; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      2848 AGCTCAGCTCCCACCTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
          |||
Db      97821 AGCTCAGCTCCCACCTGGACACCCCTTCACRGTTCACAGGCCAGCCAGCTGCAGCAGTGAC 97762
          |||

Qy      2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTGAGCCCTGCGAGCAGC 2967
          |||
Db      97761 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTGAGCCCTGCGAGCAGC 97702
          |||

Qy      2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGTGCTGTGTGTGCCTCA 3027
          |||
Db      97701 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGTGCTGTGTGTGCCTCA 97642
          |||

Qy      3028 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 3087
          |||
Db      97641 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 97582
          |||

Qy      3088 CTCCATCCCCGGCAGGGAGGACCGTCAGCTCACAAGGCCCTTTGTGTTTCGTGCTCCCA 3147
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Db      97581 CTCCATCCCCGGCAGGGAGGACCGTCAGCTCACAAGGCCCTTTGTGTTTCGTGCTCCCA 97522
          |||

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Qy      3148 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCCCTGTCCCTCGGTGGCCTCCCCAGG 3207
Db      97521 GACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCCCTGTCCCTCGGTGGCCTCCCCAGG 97462

Qy      3208 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC 3267
Db      97461 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTGGC 97402

Qy      3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
Db      97401 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 97361

```

RESULT 4

US-10-342-887-1730

; Sequence 1730, Application US/10342887

; Patent No. 7171311

; GENERAL INFORMATION:

; APPLICANT: Dai, Hongyue

; APPLICANT: He, Yudong

; APPLICANT: Linsley, Peter S.

; APPLICANT: Mao, Mao

; APPLICANT: Roberts, Christopher J.

; APPLICANT: Van 't Veer, Laura Johanna

; APPLICANT: Van de Vijver, Marc J.

; APPLICANT: Bernards, Rene

; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients

; FILE REFERENCE: 9301-188-999

; CURRENT APPLICATION NUMBER: US/10/342,887

; CURRENT FILING DATE: 2003-01-15

; PRIOR APPLICATION NUMBER: 60/298,918

; PRIOR FILING DATE: 2001-06-18

; PRIOR APPLICATION NUMBER: 60/380,710

; PRIOR FILING DATE: 2002-05-14

; PRIOR APPLICATION NUMBER: 10/172,118

; PRIOR FILING DATE: 2002-06-14

; NUMBER OF SEQ ID NOS: 2699

; SEQ ID NO 1730

; LENGTH: 3052

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-342-887-1730

Query Match 9.8%; Score 325.6; DB 5; Length 3052;

Best Local Similarity 55.1%; Pred. No. 5.7e-59;

Matches 759; Conservative 0; Mismatches 589; Indels 30; Gaps 5;

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Qy      1235 AGACATACCCACGCAAGAACTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCACTTTG 1294
Db      7 AAACATCCCCAGCATGGAGATGTGTGACCAGAGACACAATATCACCATGTGCCGCTTTG 66

Qy      1295 CCTCGA---CTGCCCTTTCTGGCTGCTCTCCAGCGCTGTGCCCTGGCCAGGCCGGCCG 1351
Db      67 CGACAAGACCTGCAGCTACTGGAAGATGAGCTCAGCTGCGCCACGGCCCGCCGCGCAGCCA 126

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Qy	1352	GCTGTTTCGACCACGGCGGCACCGTGTCTTTCAGCTTGTTCATGGCAGCTGTGGGCCGTGCT	1411
Db	127		
		CCTCTTCGACAACCCGCCACGGTCTTCTTCTCTGTCTTCATGGCCCTCTGGGCTGCCAC	186
Qy	1412	GCTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGA	1471
Db	187		
		CTTCATGGAGCAGCTGGAAGCGGAACAGATGCGACTCAACTACCGCTGGGACCTCACGGG	246
Qy	1472	CTACGAGGACACTGAGGAG-----AGGCCCTCGGCCCCAGTTTGCCGCCTCAGC	1519
Db	247		
		CITTGGAAGAGGAAGAGGAGGCTGTCAAGGATCATCTTAGAGCTGAATACGAAGCCAGAGT	306
Qy	1520	CCCCATGACAGCCCCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAG	1579
Db	307		
		CTTGGAAGTCTCTGTAAGAAAGAGTCCAGAAAACAAAGAGACTGACAAAGTGAAGCTGAC	366
Qy	1580	CCGCGCGCGCCGATGCTGGCCGG-----CTCTGTGGTGATCGTGGTGATGGTGGC	1630
Db	367		
		ATGGAGAGATCGGTTCCAGCCTACCTCACTAAGTTGGTCTCCATCATCTTCATGATTGC	426
Qy	1631	CGTGGTGGTCAATGTCCTCGTGTCTATCATCTGTACCGTGCCATCATGGCCATCGTGGT	1690
Db	427		
		AGTGACGTTTGCCATCGTCTCGGCGTCATCATCTACAGGATCTCCATGGCCGCCGCTT	486
Qy	1691	GTCCAGGTGCGGCAACACCCCTTCTCGCAGCCTGGGCTCTCGCATCGCCAGCCTCACGGG	1750
Db	487		
		GGCCATGAACTCCTCCCCCTCCGTGCGGTCGAACATCCGGGTACAGTACAGCCACCGC	546
Qy	1751	GTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCA	1810
Db	547		
		GGTCATCATCAACCTAGTGGTCAATCATCCTCTGACGAGGTGTATGGCTGCATAGCCCG	606
Qy	1811	CGTCTGACACGATGGGAAATGCACCGCACCCAGACCAAGTTTCGAGGACGCCTTCACCT	1870
Db	607		
		ATGGCTCACCAAGATCGAGGTCCCAAAGACGGAGAAAAGCTTTGAGGAGAGGCTGATCTT	666
Qy	1871	CAAGGTGTTTCACTTCCAGTTCGTCAACTTCTACTCCTCACCCGCTACATTGCCTTCTT	1930
Db	667		
		CAAGGCTTTCTCGTGAAGTTTGTGAATCCTACACCCCATCTTTTACGTGGCGTCTCT	726
Qy	1931	CAAGGGCAGGTTTGTGGGATACCCAGGCAACTACC---ACACCTTGTGTTGGAGTCCGCAA	1987
Db	727		
		CAAAGCCGGTTTGTGGACGCCGGGCGACTACGTGTACATTTCCGTTCTCTCCGAAT	786
Qy	1988	TGAGGAGTGC GCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCAT	2047
Db	787		
		GGAAGAGTGTGCGCCAGGGGGCTGCCTGATGGAGCTATGCATCCAGCTCAGCATCATCAT	846
Qy	2048	GGTGGGCAAGCAGTTCATC---AACAAATGCAGGAGGTCTCATCCCGAAGCTAAAGGG	2104
Db	847		
		GCTGGGGAACAGCTGATCCAGAACAACCTGTTTCGAGATCGGCATCCCGAAGATGAAGAA	906
Qy	2105	CTGGTGGCAGAAGTTCGGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGC	2164
Db	907		
		GCTCATCCGCTACCTGAAGCTGAAGCAGCAGAGCCCCCTGACCACGAGGAGTGTGTGAA	966

Qy	2165	TAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGA	2224
Db	967	GAGGAAACAGCGGTACGAGGTGGATTACAACCTGGAGCCCTTCGCGGGCCTCACCCACAGA	1026
Qy	2225	GTACCTGGAAATGGTGTGTCAGTTCGGCTTCGTACCATCTTCGTGGCCGCCTGTCCGCT	2284
Db	1027	GTACATGGAAATGATCATCCAGTTTGGCTTCGTACCCCTGTTTGTGCCCTCCTTCCCCCT	1086
Qy	2285	CGCGCCGCTCTTCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTT	2344
Db	1087	GGCCCCATGTTTGGCTGTGTAACAACATCATCGAGATCCGCTTGGACGCCAAAAAGTT	1146
Qy	2345	CGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCA	2404
Db	1147	TGTCACTGAGCTCCGAAGGCCGTAGCTGTCAAGGCCAAAGACATCGGAATCTGGTACAA	1206
Qy	2405	CATCTGGCGGGCCTCACGCACCTGGCGGTATCAGCAACGCCCTTCTCTGGCCTTCTC	2464
Db	1207	TATCTCTAGAGGCATTGGGAAGCTTGTCTGCATCATCAATGCCTTCGTGATCTCCTTAC	1266
Qy	2465	GTCCGACTTCTGCCGCGCGCCTACTACCGGTGGACCCGCGCCACGACCTGCGCGGCTT	2524
Db	1267	GTCTGACTTCATCCCGCGCCTGGTGTACCTCTACATGTACAGTAAGAACGGGACCATGCA	1326
Qy	2525	CCTCAACTTCACGCTGGCGCGAGCCCCGTCTCTCTTCGCCCGCGCACAACCGCACG	2582
Db	1327	CGGCTTCGTCAACCACACCTCTCTCTCTCAACGTCAGTGACTTCCAGAACGGCACG	1384

RESULT 5

US-10-104-047-604
 ; Sequence 604, Application US/10104047
 ; Patent No. 6943241
 ; GENERAL INFORMATION:
 ; APPLICANT: HELIX RESEARCH INSTITUTE
 ; TITLE OF INVENTION: No. 6943241e1 full length cDNA
 ; FILE REFERENCE: H1-A0105
 ; CURRENT APPLICATION NUMBER: US/10/104,047
 ; CURRENT FILING DATE: 2002-03-25
 ; PRIOR APPLICATION NUMBER:
 ; PRIOR FILING DATE:
 ; NUMBER OF SEQ ID NOS: 4096
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 604
 ; LENGTH: 3898
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-104-047-604

Query Match 9.1%; Score 301.6; DB 3; Length 3898;
 Best Local Similarity 50.9%; Pred. No. 7.5e-54;
 Matches 871; Conservative 0; Mismatches 824; Indels 15; Gaps 6;

Qy	780	GAGTACTACTCTGCCGGTTCAGAGTGAACAAGTGCCACGCTTCTCGGGAGTGACAAC	839
Db	950	GACTGCTACAGTGCCCTTTCAGCCAGCAAGGATCCATCACTTCATC---ATACACAAC	1006

Qy 840 CAGGACACCTTCTTCAACAAGCACCACCAAGAGGCACCAAATCTGTTTGGATCCTGGCCAAG 899
| | | | | | | | | | | | | | | | | | | | | |
Db 1007 AAAGAAACGTTCTTCAACAATGCCACAAGAAGTAGAATCGTGCATCACATTTTACAAAGA 1066

Qy 900 ACCCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGT 959
| | | | | | | | | | | | | | | | | | | | | |
Db 1067 ATAAAAATATG---AAGAAGGAAAAACAAGATTGGTCTGAATCGTTTGCTTACCAATGGC 1123

Qy 960 GTCCCTCAGTGGCCGCTTCCCCCTGCATGACGGCCCCCTTCAAGACGCCCCAGAGGGCCCG 1019
| | | | | | | | | | | | | | | | | | | | | |
Db 1124 TCCTATGAAGCTGCGTTTCCCCCTGCATGAGGGAAGTTATAGAAGTAAAAATCCATTCGA 1183

Qy 1020 CAGGCTCCACGCTCAACACAGCGCCAAAGTCTTTTCCAGACTGGGCGCGCTGGGGCAAG 1079
| | | | | | | | | | | | | | | | | | | | | |
Db 1184 ACCCATGGAGCAGAAAACCAACCGACATCTACTCTATGAGTGTGGGCTCTCGGGCGCTG 1243

Qy 1080 TGGAAACAAGTACCAGCCCCGAGCCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTC 1139
| | | | | | | | | | | | | | | | | | | | | |
Db 1244 TGGTATAAATACCAACCTTTGGATCTTGTGAAGCGGTACTTTGGAGAGAAGATTGGGTTA 1303

Qy 1140 TACTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGCAGTGGTGGGCACA 1199
| | | | | | | | | | | | | | | | | | | | | |
Db 1304 TATTTTGCTGGTTGGGCTGGTACACCGCGATGCTCTTCCAGCTGCCTTCATTGGATTG 1363

Qy 1200 CTGGTGTTTCTGGTGGGCTGCTTCTGTGTTTCTCAGACATACCCACGCGGAAGTGTGT 1259
| | | | | | | | | | | | | | | | | | | | | |
Db 1364 TTTGTCTTTTGTATGGCGTCACCACTCTGGATCACAGCCAAGTCAGTAAAGAAGTCTGC 1423

Qy 1260 GGCAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCTCTGCATGCCCTTTCTGGCTGCTC 1319
| | | | | | | | | | | | | | | | | | | | | |
Db 1424 CAAGCTACAGATATCATCATGTGTCTGTGTGATAAACTGTCCATTTCATGAGGCTG 1483

Qy 1320 TCCAGCGCTGTGCCCTGGCCAGGCCGGCCGGCTGTTGACCACGGCGGCACCGTGTTTC 1379
| | | | | | | | | | | | | | | | | | | | | |
Db 1484 TCAGACAGCTGTGTATATGCCAAGGTAACCCACCTTTTGACAATGGAGCCACTGCTTC 1543

Qy 1380 TTCAGCTTGTTCATGGCAGCTGTGGCCGCTGCTGCTGCTGGAGTACTGGAAGCGGAAGAGC 1439
| | | | | | | | | | | | | | | | | | | | | |
Db 1544 TTTGCTGTTTTCATGGCAGTCTGGGCAACAGTTTTCCTGGAGTTTGGAAAAGACGGCGCA 1603

Qy 1440 GCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTCGG 1499
| | | | | | | | | | | | | | | | | | | | | |
Db 1604 CGAGTAATTGCTTATGACTGGGATTGTGATAGACTGGGAAGAAGAGGAGGAAGAAATACGA 1663

Qy 1500 CCCCAGTTTGGCCGCTCAGCCCCATGACAGCCC---CGAACCCCATCACGGGTGAGGAC 1556
| | | | | | | | | | | | | | | | | | | | | |
Db 1664 CCCCAGTTTGAAGCCAAGTATTCCAAGAAAGACGGATGAATCCAATTTCTGGAAGCCA 1723

Qy 1557 GAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCGCATGCTGGCCGGCTCTGTGGTGATC 1616
| | | | | | | | | | | | | | | | | | | | | |
Db 1724 GAACCTTATCAAGCATTACAGATAAATGCAGCAGACTTATCGTTTCTGCATCTGGAATA 1783

Qy 1617 GTGGTGATGGTGGCCGTGGTGGTCTATGTCCTCGTGTCTATCATCTGTACCGTGCCATC 1676
| | | | | | | | | | | | | | | | | | | | | |
Db 1784 TTTTATGATCTGCGTGGTGATTGCTGCCGTGTTCCGGATCGTCATTACCGGGTGGTG 1843

Qy	1677	ATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCCTTCTCGCAGCCTGGGCCCTCTCGCATC	1736
Db	1844	ACTGTTCAGCACTTTTCGTGCCTTTAAGTGGCGTTAATCAGGAATAACTCTCAGGTTGCA	1903
Qy	1737	GCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTAT	1796
Db	1904	ACCACAGGGACTGTGTGTGCATCAACTTCTGTATCATTATGTGTGTAATGTGCTCTAT	1963
Qy	1797	GTATCCCTGGCCCCACGTCCTGACACGATGGGAAATGCACCGCACCAGACCAAGTTCGAG	1856
Db	1964	GAAAAAGTTGCCCTGCTTCTGACGAATTTAGAACAGCCTCGCACAGAGTCTGAGTGGGAG	2023
Qy	1857	GACGCCTTACCCCTCAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCCTCACCCGTC	1916
Db	2024	AACAGCTTCACCCTGAAAAATGTTCTTTTTCAGTTGTCAACTGTGAACAGTCCACATTT	2083
Qy	1917	TACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACACCTTGT	1975
Db	2084	TACATCGCATTTCTTCCTCGGAAGATTTACAGGACACCCAGGTGCCTACTTGAGGCTGATA	2143
Qy	1976	--TGGAGTCCGCAATGAGGAGTGCAGCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAG	2033
Db	2144	AACAGGTGGAGACTAGAAGAGTGCCACCCCTAGTGGATGCCTTATTGATCTGTGTATGCAA	2203
Qy	2034	CTCCTGGTCATCATGGTGGGCAAGCAGGTATCAACAACATGCAGGAGGTCCTCATCCCG	2093
Db	2204	ATGGGTATTATAATGGTGCTAAAGCAGACCTGGAATAATTCATGGAACCTGGCTACCCG	2263
Qy	2094	AAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGCGGGAGCT	2153
Db	2264	TTAATTCAGAATTGGTGGACTAGAAGAAAAGTACG--ACAAGAACATGGACCTGAAAGGA	2321
Qy	2154	TCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGT	2213
Db	2322	AAATAAGTTTCCCAACAATGGGAAA--AGGACTATAACCTTCAGCCGATGAATGCCTATGGA	2380
Qy	2214	CTGTTTGACGAGTACCTGGAAATGGTGTGTCAGTTCGGCTTCGTACCATCTTCGTGGCC	2273
Db	2381	CTCTTCGATGAATACTTAGAAATGATTCTTCAGTTTGGATTACAACTATCTTTGTGCA	2440
Qy	2274	GCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGAC	2333
Db	2441	GCTTTTCCCTAGCACCACCTTCTGGCCTTACTGAATAACATAATTGAATTCGACTTGAT	2500
Qy	2334	GCGCGCAAGTTCTGTCTGCGAGTACCGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGC	2393
Db	2501	GCTTACAAATTGTTCACACAGTGGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGA	2560
Qy	2394	ATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTATCAGCAACGCCCTTCCTC	2453
Db	2561	ATTGGTATGGAATCTTGAAGGCATTGGAATCTCTCTGTATACAAATGCATTGTGTC	2620
Qy	2454	CTGGCCTTCTCGTCCGACTTCTTGCCGCGC	2483
Db	2621	ATAGCGATAACATCTGACTTTATCCCTCGC	2650

RESULT 6

US-10-104-047-571

; Sequence 571, Application US/10104047

; Patent No. 6943241

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 6943241el full length cDNA

; FILE REFERENCE: H1-A0105

; CURRENT APPLICATION NUMBER: US/10/104,047

; CURRENT FILING DATE: 2002-03-25

; PRIOR APPLICATION NUMBER:

; PRIOR FILING DATE:

; NUMBER OF SEQ ID NOS: 4096

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 571

; LENGTH: 2736

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-104-047-571

Query Match 8.7%; Score 286.6; DB 3; Length 2736;
 Best Local Similarity 51.7%; Pred. No. 1.1e-50;
 Matches 752; Conservative 0; Mismatches 694; Indels 9; Gaps 4;

```

Qy      1035 AACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTGGAAACAAGTACCAG 1094
          ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      31 AACCACCGACATCTACTCTATGAGTGCTGGGCCCTCTCTGGGCGTGTGGTATAAATACCAA 90

Qy      1095 CCCCTGGACCACGTCGCGCAGGTACTTTCGGGGAGAAGGTGGCCCTCTACTTCGCCTGGGCTC 1154
          || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      91 CCTTTGGATCTTGTAAGCGGTACTTTGGAGAGAAGATTGGGTTATATTTTGCCTGGTTG 150

Qy      1155 GGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTG 1214
          || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      151 GGCTGGTACACCGCATGCTCTTCCCAGCTGCCTTCATTGGATTGTTTGTCTTTTGTAT 210

Qy      1215 GGCTGCTTCTCGGTGTTTCTCAGACATACCCACGCAAGAACTGTGTGGCAGCAAGGACAGC 1274
          || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      211 GGCGTCACCACCTCTGGATCACAGCCAAGTCAGTAAAGAAGCTGCCAAGCTACAGATATC 270

Qy      1275 TTCGAGATGTGCCACTTTTGCTCGACTGCCCTTTTCTGGCTGCTCTCCAGCGCCTGTGCC 1334
          || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      271 ATCATGTGTCTGTGTGTGATAAATACTGTCCATTTCATGAGGCTGTGAGACAGCTGTGTA 330

Qy      1335 CTGGCCCAGGCCGCGCGGCTGTTTCGACCACGGCGGCACCGTGTTCTTCAGCTTGTTCATG 1394
          || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      331 TATGCCAAGGTAACCCACCTTTTGGACAATGGAGCCACTGTCTTCTTTGCTGTTTTTCATG 390

Qy      1395 GCACTGTGGGCGGTGCTGCTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCCTAC 1454
          || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      391 GCAGTCTGGGCAACAGTTTTTCTGGAGTTTGGAAAAAGCGCGCAGCAGTAATTGCTTTAT 450

Qy      1455 CGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTCGGCCCCAGTTTCCGCC 1514
          ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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[http://es.ScoreAccessWeb/GetItem.action?AppId=105525...01_124542_us-10-552-515-2.rni&ItemType=4&startByte=0 \(12 of 25\)10/10/2008 8:42:39 AM](http://es.ScoreAccessWeb/GetItem.action?AppId=105525...01_124542_us-10-552-515-2.rni&ItemType=4&startByte=0 (12 of 25)10/10/2008 8:42:39 AM)

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Db          1288 CCACTTCTGGCCTTACTGAATAACATAATTGAAATTCGACTTGATGCTTACAAATTTGTC 1347
Qy          2349 TGCAGGTACCGGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCACATC 2408
          ||| || ||| ||| || | ||| ||||| ||| ||| ||
Db          1348 ACACAGTGGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGAATTGGTATGGAATT 1407
Qy          2409 CTGGCGGGCCTCACGCACCTGGCGGTCATCAGCAACGCCTTCTCTGGCCTTCTCGTCC 2468
          ||| |||| | || ||| |||| ||| ||| ||| ||| |||
Db          1408 CTTGAAGGCATTGGAATTCTCTCTGTTATCACAAATGCATTGTGCATAGCGATAACATCT 1467
Qy          2469 GACTTCCTGCCGCGC 2483
          |||| | || |||
Db          1468 GACTTTATCCCTCGC 1482

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RESULT 7

US-10-108-260A-2040

; Sequence 2040, Application US/10108260A

; Patent No. 7193069

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 7193069e1 full length cDNA

; FILE REFERENCE: H1-A0106

; CURRENT APPLICATION NUMBER: US/10/108,260A

; CURRENT FILING DATE: 2002-03-27

; NUMBER OF SEQ ID NOS: 5458

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2040

; LENGTH: 2118

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-108-260A-2040

Query Match 7.6%; Score 252.6; DB 5; Length 2118;
 Best Local Similarity 54.3%; Pred. No. 1.6e-43;
 Matches 616; Conservative 0; Mismatches 489; Indels 30; Gaps 4;

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Qy          841 AGGACACCTTCTTTCACAAGCACCAAGAGGCACCAAAATCTGTTTGAGATCTGGCCAAGA 900
          |||| |||| ||| |||| | || | ||| ||||| || | |
Db          731 AGGATTCCTTTTCGACAGCAAAACCCGGAGCACGATTGTCTATGAGATCTTGAAGAGAA 790
Qy          901 CCCGATATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGGTG 960
          ||| | | ||| ||| || ||| || ||| ||||| ||||| |||||
Db          791 CGACGTGTACAAAGGCCAAGTACAGCATG---GGCATCACGAGCCTGCTGGCCAATGGTG 847
Qy          961 TCTCAGTGCCGCCTTCCCCCTGCATGACGGCCCCCTCAAGACGCCCCCAGAGGGCCCGC 1020
          | | || || ||| |||| ||| || |||| | |
Db          848 GTACGCGGCTGCATACCCACTGCACGATGGAGACTACAACGGTGAAACGTCGAGT--- 904
Qy          1021 AGGCTCCACGCCTCAACCAGCGCCAAGTCTTTTCCAGCAGCTGGGCGCGCTGGGGCAAGT 1080
          |||| | | || |||| | | | |||| |||| || |
Db          905 -----TCAACGACAGAAAACCTCTGTACGAAGATGGGCACGCTATGGAGTTT 952
Qy          1081 GGAACAAGTACCAGCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCT 1140
          | ||||| |||| | || ||| ||||| ||| ||| |||
Db          953 TCTATAAGTACCAGCCCATCGACCTGGTCAGGAAGTATTTTGGGGAGAAGATCGGCCTGT 1012

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http://es.ScoreAccessWeb/GetItem.action?AppId=105525...01_124542_us-10-552-515-2.rni&ItemType=4&startByte=0 (14 of 25) 10/10/2008 8:42:39 AM

RESULT 8

US-10-108-260A-1547

; Sequence 1547, Application US/10108260A

; Patent No. 7193069

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 7193069e1 full length cDNA

; FILE REFERENCE: H1-A0106

; CURRENT APPLICATION NUMBER: US/10/108,260A

; CURRENT FILING DATE: 2002-03-27

; NUMBER OF SEQ ID NOS: 5458

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1547

; LENGTH: 2158

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-108-260A-1547

Query Match 7.2%; Score 239.2; DB 5; Length 2158;
 Best Local Similarity 52.3%; Pred. No. 1.1e-40;
 Matches 693; Conservative 0; Mismatches 568; Indels 63; Gaps 5;

Qy	1508	TGCCCGCTCAGCCCCATGACAGCCCCGAACCCCATCAGGGTGAGGACGAGCCCTACTT	1567
Db	276	TGCCGTGTCTGAGGAGGAAATGGCACTTCAGCTCATTAACTGCCCCACTACAAGCTCCG	335
Qy	1568	CCCTGAGAGGAGCGCGCGCGCCGATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGT	1627
Db	336	GCCATACCAGCACTCTACCTACGCAGCACCCTATCCTCGTCTGACCCCTGCTCATGAT	395
Qy	1628	GGCCGTGGTGGTCACTGTGCCCTCGTGTCTATCATCCTGTACCCGTGCCATCATGGCCATCGT	1687
Db	396	CTGCCCTCATGATCGGCATGGCCACGTCCTGGTGGTCTACCGCGTCTGGCTCCGCGCT	455
Qy	1688	GGTGTCAGGTTCGGGCAACACCCCTTCTCGCAGCCTGGGCTCTCGCATCGCCAGCCTCAC	1747
Db	456	CTTCAGCAGCTCGGCCCTGCCCTTCCTGGAGGAGCAGGTGACCACGGCCGTGGTGGTGAC	515
Qy	1748	GGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGC	1807
Db	516	CGGGGCTCTGGTGCATATGTGACCATCGTCATCATGACCAAGATCAACAGGCGCGTGGC	575
Qy	1808	CCACGTCTTGACACGATGGGAAATGCACCGCACCCAGACCAAGTTTCAGGAGCGCCTTCAC	1867
Db	576	CCTGAAGCTTTGTGACTTCGAGATGCCAGGACCTTCTCGGAGCGAGAGAGCAGGTTTAC	635
Qy	1868	CCTCAAGGTGTTCATCTTCCAGTTCGTCAACTTCTACTCTCACCGTCTACATTGCCTT	1927
Db	636	CATCCGCTTCTTCACATGCAGTCTTTCACCCATTCTCGTCTCTCATCTACATCGCCTT	695
Qy	1928	CTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACACCTTGTGAGTCCGCAA	1987
Db	696	CATCTGGGCAGGATCAACGGCCACCCGGGAAGTCCACGCGCTGGCGGGCTTGTGGAA	755

Qy	1988	---TGAGGAGTGC	CGGCTGGAGGCTGC	TGATGCAGCTGG	CACAGGAGCTCCT	GGTCAT	2044
Db	756	GCTGGAAGAGTGC	CACGCCAGCGGCTGC	ATGATGGACCTCTTC	GTGCAGATGGCCATCAT		815
Qy	2045	CATGGTGGGCAAG	CAGGTCATCAACA	ACATGCAGGAGGTCCT	CATCCCAGAGCTAA	AGGG	2104
Db	816	CATGGGCTGAA	GCAGACGCTCAGCA	AACTGCGTCGAGTACCT	GGTCCCGTGGGTGAC	CCCA	875
Qy	2105	CTGGTGGCAGAA	GTCCGGCTTCGCTC	CAAGAAGAGGAAGG	CGGGAGCTTCTGC	AGGGGC	2164
Db	876	CAAGTGCC---	GCTCTCGCGGGCTCC	GAGTCCGGGCACCTGCC	CCGGGACCCCGAGCT		932
Qy	2165	TAGCCAGGGGCC	CTGGGAGGACGACTAT	GAGCTTGTGCCCTGT	GAGGGTCTGTTTGAC	GCA	2224
Db	933	CAGGGACTGGCG	GGCGCAACTACCTTCT	GAAACCGGTCAACAC	CTTCAGCCTGTCGAC	GCA	992
Qy	2225	GTACCTGGAAAT	TGGTGTGCAGTTCG	GCTTCGTACCATCTTC	GTGGCCGCCTGTCC	GCT	2284
Db	993	GTTTCATGAGAT	GATGATCCAGTACGG	CTTACCACCATCTTC	GTGGCCGCCTTCCCG	CT	1052
Qy	2285	CGCGCCGCTCTTC	GCCCTGCTCAACA	AACTGGGTGGAGATCC	GCTTGGACGCGCGCA	AGTT	2344
Db	1053	GGCGCCGCTGCTC	GCGCTTTCAGCAAC	CTCGTGGAGATCCG	CCTGGACGCCATCA	AGAT	1112
Qy	2345	CGTCTGCGAGTAC	CGGCGCCCTGTGG	CCGAGCGGCCAGGACAT	CGGCATCTGGTTCCA		2404
Db	1113	GGTCTGGTTGCA	GCGGGCGCCTGTTG	CCGCGCAAGGCCAAGG	ACATCGGGACCTGG	GCTGCA	1172
Qy	2405	CATCTTGGCGGCT	CACGCACCTGGCGGT	CATCAGCAACGCCTT	CCTCCTGGCCTTCTC		2464
Db	1173	GGTGTGAGACCAT	CGGTGTGCTGGCGGT	CATTGCCAATGGGAT	TGCTATTGCCTTCAC		1232
Qy	2465	GTCCGACTTCTG	CCGCGCGCCTACTAC	CGGTGGACCCGCGCC	CACGACCTG-----		2516
Db	1233	ATCTGAGTTCA	TCCCCGAGTGGTCTACA	AGTACCGCTATAGCC	CATGCCTGAAAGAAGG		1292
Qy	2517	-----CGCGGCT	TCCTCAACTTCACG	CTGGCGCGAGCCCGT	CTCTCTTCGCGCG		2566
Db	1293	CAACTCTACTGT	CAGTGCCTCAAGGGCT	ACGTCAACCACAGCCT	GTCCGTCTCCACAC		1352
Qy	2567	CGCGCACAAAC	-----GCACGTGC	AGGTA			2590
Db	1353	CAAGGACTTCC	AGGACCTGATGGGAT	TGAGGGCTCAGAAA	CGTGACTCTGTGCAG	ATA	1412
Qy	2591	TCGGGCTTTC	CGGGAT---GACGAT	TGGACATTATCCC	AGACCTACTGGAAT	CTTCTTGC	2647
Db	1413	CAGGGACTAC	CGCAATCCCCCGATTACA	AACTTCTCCGAGCAGT	TCTGGTTCTCTCTG	GC	1472
Qy	2648	CATCCGCCTGG	CCTTCGTATTGTTG	TGAGCATGTGGTTT	TCTCCGTTGGCCG	CCTCCT	2707
Db	1473	CATCCGCCTGG	CCTTCGTATCTCTTTG	AGCACGTGGCCTTGT	GCATCAAGCTCAT	CGC	1532
Qy	2708	GGACCTCCTGG	TGCCTGACATCCC	AGAGTCTGTGGAGAT	CAAGTAGAGCGG	GAGTACTA	2767
Db	1533	CGCCTGGTTCG	TGCCCCGACATCCCT	CAGTCGGTGAAGAA	CAAGGTTCTGGAGGT	GAAGTA	1592

Qy 2768 CCTG 2771
 |||
 Db 1593 CCAG 1596

RESULT 9

US-09-270-767-13982

; Sequence 13982, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 13982

; LENGTH: 1282

; TYPE: DNA

; ORGANISM: *Drosophila melanogaster*

US-09-270-767-13982

Query Match 6.5%; Score 216.2; DB 3; Length 1282;
 Best Local Similarity 53.9%; Pred. No. 7.7e-36;
 Matches 496; Conservative 0; Mismatches 413; Indels 12; Gaps 2;

Qy 1587 CGCCGCATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGC 1646
 | | | | | | | | | | | | | | | | | | | | | |
 Db 169 CCCGCCACCGTGTTTCAGCTTTTCAGTGGTACTGCTCCTAATTGCACTGGCCTTTGTGGCA 228

Qy 1647 CTCGTGTCTATCATCTGTACCGTGCCATCATGGCCATCGTGGTGTCCAGGTGCGGCAAC 1706
 | | | | | | | | | | | | | | | | | | | | | |
 Db 229 CTGCTGGCAGTGGTTGTATACCGAATGTCCATGCTGGCCGCCCTTAAAGTGGGTGCTAGT 288

Qy 1707 ACCCTTCTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTC 1766
 | | | | | | | | | | | | | | | | | | | | | |
 Db 289 CCCATGACCACCTCTAGCGCTATTGTCTAGCCACTGCATCAGCTGCCTTTGTAAATCTG 348

Qy 1767 GTCTTCATCCTCATCTCTCCAAGATCTATGTATCCCTGGCCACGTCCTGACACGATGG 1826
 | | | | | | | | | | | | | | | | | | | | | |
 Db 349 TGCTGTCTATATACTTAATTATATGTACAATCATTGGCTGAGTACCTGACAGAGCTG 408

Qy 1827 GAAATGCACCCGACCCAGACCAAGTTCGAGGACGCCTTCACCCCTCAAGGTGTTTCATCTTC 1886
 | | | | | | | | | | | | | | | | | | | | | |
 Db 409 GAAATGTGGCGCACTCAAACCTCAGTTCGATGACTCGCTTACCCCTAAAAATTTATCTGCTG 468

Qy 1887 CAGTTCGTCAACTTCTACTCTCACCCTCTACATTGCCTTCTTCAAGGGCAGGTTTGTG 1946
 | | | | | | | | | | | | | | | | | | | | | |
 Db 469 CAGTTTGTAACTACTACGCTCCATTTTTTACATAGCTTTCTTCAAGGGTAAATTCGTT 528

Qy 1947 GGATACCCAGGCAACTACCACCTTGTGTTGAGTCCGCAATGAGGAGTGCCGCGCTGGA 2006
 | | | | | | | | | | | | | | | | | | | | | |
 Db 529 GGTATCCGGGAGAGGTATAATAAGCTTTTGTACTATCGGCAGGAGAGTGCTCATCGGGT 588

Qy 2007 GGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATC 2066

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      ||||| | | ||||| | | | | | | | | | | | | | |
Db      589 GGCTGTTTAAACGGAGCTGTGCATCCAGTTAGCCATTATAATGGTTGGCAAGCAGGCATTTC 648

Qy      2067 AACACATATGCAGGAGG-----TCCTCATCCCAGCTAAAGGGCTGGTGGCAGAAGTTC 2120
      ||| | | | | | | | | | | | | | | | | |
Db      649 AACACTATTCTTGAAGTGTATCTTCCCATGTTCTGGCGAAAGGTTTGGCCATTACAGGTG 708

Qy      2121 CGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGG 2180
      | | | | | | | | | | | | | | | | | |
Db      709 GGCCTGTGCGGACTTTTCAACAACACCCCGAATCCAGACAAGACGAAAGACGAACGCTGG 768

Qy      2181 GAGGACGACTATGAGCTTGTGCCCTGTGAG-----GGTCTGTTTGACGAGTACCTGGAA 2234
      | | | | | | | | | | | | | | | | | |
Db      769 ATGCGGGATTTCGAAGCTACTGGATTGGGGTGCCCGAGGTCTGTTCCCGAGTATTGGAG 828

Qy      2235 ATGGTGTGTCAGTTTCGGCTTCGTACCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTC 2294
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||
Db      829 ATGGTCTTGCAGTACGGCTTCGTAACCATCTTTGTGGCCGCTTTTCCGCTGGCGCCATTTC 888

Qy      2295 TTCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCAG 2354
      || ||||| || | | | | | | | | | | | | | |
Db      889 TTGCGCTGCTAAATAATATCTTGGAAATGCGACTSGATGCAAAAGAACTATTGACCCAC 948

Qy      2355 TACCGGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCACATCTCTGGCG 2414
      | | ||||| | | | | | | | | | | | | | |
Db      949 CACAAGCGTCCAGTATCACAGCGAGTTTCGAGATATAGGAGTGTGGTATCGTATCTCTGGAC 1008

Qy      2415 GGCCTCACGCACCTGGCGGTTCATCAGCAACGCCCTTCTCTGGCCTTCTCGTCCGACTTC 2474
      || | | | | | | | | | | | | | | | | | |
Db      1009 TGCATAGGCAAGCTCAGCGTGATCACAATGGATTTCATCATAGCCTTTACCTCTGACATG 1068

Qy      2475 CTGCCGCGCGCTTACTACCG 2495
      | |||| | ||||
Db      1069 ATTCCGCGTTTGGTGTACCG 1089

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RESULT 10

US-10-104-047-1146

; Sequence 1146, Application US/10104047

; Patent No. 6943241

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 6943241e1 full length cDNA

; FILE REFERENCE: H1-A0105

; CURRENT APPLICATION NUMBER: US/10/104,047

; CURRENT FILING DATE: 2002-03-25

; PRIOR APPLICATION NUMBER:

; PRIOR FILING DATE:

; NUMBER OF SEQ ID NOS: 4096

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1146

; LENGTH: 2293

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-104-047-1146

Query Match 5.2%; Score 170.8; DB 3; Length 2293;
 Best Local Similarity 54.9%; Pred. No. 3.9e-26;
 Matches 400; Conservative 0; Mismatches 322; Indels 6; Gaps 3;

Qy	1759	TGAACCTCGTCTTCATCTCTCATCTCTCCAAGATCTATGTATCCCTGGCCCCACGCTCTGA	1818
Db	324	TCAACTTCTGTATCATTATGTTGCTGAATGTGCTCTATGAAAAAGTTGCCCTGCTTCTGA	383
Qy	1819	CACGATGGGAAATGCAACCGCACCCAGACCAAGTCTGAGGACGCCTTCACCCTCAAGGTGT	1878
Db	384	CGAATTTAGAACAGCCTCGCACAGAGTCTGAGTGGGAGAACAGCTTCACCCTGAAAAATGT	443
Qy	1879	TCATCTTCCAGTTCGTCAACTTCTACTCCTCACCCGCTCATATTGCCTTCTTCAAGGGCA	1938
Db	444	TTCTTTTTTCAGTTTGTCAATCTGAACAGCTCCACATTTTACATCGCATTCTTCTCCGGAA	503
Qy	1939	GGTTTGTGGGATACCCAGGCAACTACCACACCTTGTT---TGGAGTCCGCAATGAGGAGT	1995
Db	504	GATTTACAGGACACCCAGGTGCCTACTTGAGGCTGATAAACAGGTGGAGACTAGAAGAGT	563
Qy	1996	GCGCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCA	2055
Db	564	GCCACCCTAGTGGATGCCTTATTGATCTGTGTATGCAAAATGGGTATTATAATGGTGCTAA	623
Qy	2056	AGCAGGTTCATCAACAACATGACGAGGTCTCATCCCGAAGCTAAAGGCTGGTGGCAGA	2115
Db	624	AGCAGACCTGGAAATAATTTCATGGAACCTTGGCTACCCGTTAATTCAGAATTGGTGGACTA	683
Qy	2116	AGTTCCGGCTTCGCTCCAAGAAGAGGAAGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGC	2175
Db	684	GAAGAAAAGTACG--ACAAGAACATGGACCTGAAAGGAAAAATAAGTTTCCACAATGGG-	740
Qy	2176	CCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACAGTACCTGGAAA	2235
Db	741	AAAAGGACTATAACCTTCAGCCGATGAATGCCTATGGACTCTTCGATGAATACTTAGAAA	800
Qy	2236	TGGTGCTGCGATTTCGGCTTCGTACCATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCT	2295
Db	801	TGATTCTTCAGTTTGGATTCACTATCTTGTGGCAGCTTTTCCCTAGCACCACCTTC	860
Qy	2296	TCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGT	2355
Db	861	TGGCCTTACTGAATAACATAATTGAAATTCGACTTGATGCTTACAAATTGTACACACAGT	920
Qy	2356	ACCGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCACATCTCTGGCGG	2415
Db	921	GGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGAATTGGTATGGAATTCTTGAAG	980
Qy	2416	GCCTCACGCACCTGGCGGTTCATCAGCAACGCCTTCTCTTGGCCTTCTCGTCCGACTTCC	2475
Db	981	GCATTGGAATTCTCTCTGTTATCACAATGCATTGTGCATAGCGATAACATCTGACTTTA	1040
Qy	2476	TGCCGCGC 2483	
Db	1041	TCCCTCGC 1048	


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Qy      2361  CGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTCCACATCCTGGCGGGCCTC 2420
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      186   AGGCCGGTAGCTGTCTAGAGCCAAAGACATCGGAATCTGGTACAATATCCTCAGAGGCATT 245

Qy      2421  ACGCACCTGGCGGGTCATCAGCAACGCCTTCTCTCGGCCTTCTCGTCCGACTTCTGCGG 2480
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      246   GGGAAGCTTGTCTGTCATCATCAATGCGCTTCGTGATCTCCTTACGTTGACTTCATCCG 305

Qy      2481  CGCGCCTACTACCGGTGGACCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTG 2540
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      306   CGCCTGGTGTACCTCTACATGTACAGTAAGAACGGGACCATGCACGGCTTCGTCAACCAC 365

Qy      2541  GCGCGAGCCCGTCTCTCTTCGCCGCGCGCACAACCGCACG 2582
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      366   ACCCTCTCTCTCTCAACGTGACTTCCAGAACGGGCACG 407

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RESULT 12

US-11-001-793-1599

; Sequence 1599, Application US/11001793

; Patent No. 7411051

; GENERAL INFORMATION:

; APPLICANT: Rosen, et al.

; TITLE OF INVENTION: Human Secreted Proteins

; FILE REFERENCE: PS900

; CURRENT APPLICATION NUMBER: US/11/001,793

; CURRENT FILING DATE: 2004-12-02

; PRIOR APPLICATION NUMBER: US/10/100,683

; PRIOR FILING DATE: 2002-03-19

; PRIOR APPLICATION NUMBER: US 60/040,162

; PRIOR FILING DATE: 1997-03-07

; PRIOR APPLICATION NUMBER: US 60/043,576

; PRIOR FILING DATE: 1997-04-11

; PRIOR APPLICATION NUMBER: US 60/047,601

; PRIOR FILING DATE: 1997-05-23

; PRIOR APPLICATION NUMBER: US 60/056,845

; PRIOR FILING DATE: 1997-08-22

; PRIOR APPLICATION NUMBER: US 60/043,580

; PRIOR FILING DATE: 1997-04-11

; PRIOR APPLICATION NUMBER: US 60/047,599

; PRIOR FILING DATE: 1997-05-23

; PRIOR APPLICATION NUMBER: US 60/056,664

; PRIOR FILING DATE: 1997-08-22

; PRIOR APPLICATION NUMBER: US 60/043,314

; PRIOR FILING DATE: 1997-04-11

; PRIOR APPLICATION NUMBER: US 60/047,632

; PRIOR FILING DATE: 1997-05-23

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 13468

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1599

; LENGTH: 2371

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-001-793-1599

Query Match 4.8%; Score 157.2; DB 7; Length 2371;
 Best Local Similarity 61.9%; Pred. No. 3e-23;
 Matches 249; Conservative 0; Mismatches 153; Indels 0; Gaps 0;

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Qy      2181 GAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTG 2240
          ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      6 GAGGTGGATTACAACCTGGAGCCCTTCGCGGGCTCACCCAGAGTACATGGAAATGATC 65

Qy      2241 CTGCAGTTCGGCTTCGTACCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCC 2300
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      66 ATCCAGTTTGGCTTCGTACCCCTGTTTGTGCGCTCCTTCCCCCTGGCCCCACTGTTTGCG 125

Qy      2301 CTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGG 2360
          ||| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      126 CTGCTGAACAACATCATCGAGATCCGCTGGACGCCAAAAAGTTTGTCACTGAGCTCCGA 185

Qy      2361 CGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCACATCCTGGCGGGCCTC 2420
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      186 AGGCCGGTAGCTGTGAGGCCAAAGACATCGGAATCTGGTACAATATCCTCAGAGGCATT 245

Qy      2421 ACGCACCTGGCGGTTCATCAGCAACGCCCTTCTCTGGCCTTCTCGTCCGACTTCCTGCCG 2480
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      246 GGAAGCTTGTGTGTCATCATCAATGCCCTTCGTGATCTCCTTCACGTCTGACTTCATCCCG 305

Qy      2481 CGCGCTACTACCGGTGGACCCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTG 2540
          ||| | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      306 CGCCTGGTGTACCTCTACATGTACAGTAAGAACGGGACCATGCACGGCTTCGTCAACCAC 365

Qy      2541 GCGCGAGCCCGTCTCTCTTCGCCGCCGCGCACAAACGCGACG 2582
          | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      366 ACCCTCTCCTCTTCAAGTCAGTGACTTCCAGAACGGGCAGC 407
  
```

RESULT 13

US-10-741-601-19564/c

; Sequence 19564, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 19564

; LENGTH: 201

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-741-601-19564

Query Match 3.9%; Score 128.6; DB 6; Length 201;
 Best Local Similarity 99.2%; Pred. No. 1.9e-17;
 Matches 128; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

http://es.ScoreAccessWeb/GetItem.action?AppId=105525...01_124542_us-10-552-515-2.rni&ItemType=4&startByte=0 (23 of 25) 10/10/2008 8:42:39 AM

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Qy      2073 ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAAGTTCGGGCTTCGCTCC 2132
          |   |||   | ||||| || | | | | | | | | | | | | | | | | | | | |
Db      763 CTCCTTCGAGATTGGCATCCCGAAGATGAAAAAGTTTCATCCGCTACCTGAAGCTGCGCAGA 822

Qy      2133 AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT 2192
          |||   | | | | | | | | | | | | | | | | | | | | | | | |
Db      823 CAGAGCCCTCAGACCGTGAAGAGTACGTGAAGCGGAAGCAGCGCTATGAGGTGGACTTC 882

Qy      2193 GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGTGTCAGTTCGGC 2252
          || | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      883 AACCTCGAACCTTTTCGCGGCCCTCACGCCGAGTACATGGAATGATCATTAGTTCGGC 942

Qy      2253 TTCGTACCATCTTCGTGGCCGCCT 2277
          || ||||| | | | | | | | |
Db      943 TTTGTACCCCTGTTTGTTCGTCTCT 967
  
```

RESULT 15

US-09-312-283C-11

; Sequence 11, Application US/09312283C

; Patent No. 6573095

; GENERAL INFORMATION:

; APPLICANT: Watson, James D.

; APPLICANT: Strachan, Lorna

; APPLICANT: Sleeman, Matthew

; APPLICANT: Onrust, Rene

; APPLICANT: Murison, James G.

; APPLICANT: Kumble, Krishanand D.

; TITLE OF INVENTION: Compositions Isolated from Skin Cells

; TITLE OF INVENTION: and Methods for Their Use

; FILE REFERENCE: 11000.1011c2

; CURRENT APPLICATION NUMBER: US/09/312,283C

; CURRENT FILING DATE: 1999-05-14

; NUMBER OF SEQ ID NOS: 425

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 11

; LENGTH: 969

; TYPE: DNA

; ORGANISM: Mouse

US-09-312-283C-11

```

Query Match          3.8%; Score 125; DB 3; Length 969;
Best Local Similarity 58.2%; Pred. No. 1.7e-16;
Matches 259; Conservative 0; Mismatches 180; Indels 6; Gaps 2;
  
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Qy      1839 ACCCAGACCAAGTTCGAGGACGCCTTACCCCTCAAGGTGTTTATCTTCCAGTTCGTCAAC 1898
          || ||| | | | |||| | || ||||| || | | ||| | |||
Db      523 ACAGAGAAGAGCTTTGAGGAGAGGCTAACCTTCAAGGCCTTCTGCTCAAGTTTGTGAAC 582

Qy      1899 TTCTACTCTCACCCTCTACATTGCCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGC 1958
          | ||| | | | |||| | ||||| || | ||||| || | ||
Db      583 TCTTACACTCCCATCTTCTATGTCGCCTTCTTCAAGGCCGGTTTGTGTCGGCCCGGT 642

Qy      1959 AACTAC---CACACCTTGTTTGGAGTCCGCAATGAGGAGTGCAGCGGCTGGAGGCTGCCTG 2015
          |||| | || | || | || | || | || | || | || |
Db      643 GACTACGTGTACATCTTCCGCTCTTTCCGATGGAGGAGTGTGCCCGGGCGGCTGCCTC 702
  
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